

SEQUENCE LISTING

<110> Tonen Corporation
 <120> Method for Measurement of hepatitis C virus
 <130> G902
 <150> JP-10-216094
 <151> 1998-07-30
 <160> 9
 <210> 1
 <211> 177
 <212> PRT
 <213> Hepatitiv virus

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 Met Lys Ala Ile Phe Val Leu Lys Gly Ser Leu Asp Arg Asp Pro Glu
 1 5 10 15
 Phe Met Gly Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr
 20 25 30
 Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val
 35 40 45
 Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg
 50 55 60
 Ala Thr Arg Lys Thr Ser Lys Arg Ser Gln Pro Arg Gly Gly Arg Arg
 65 70 75 80
 Pro Ile Pro Lys Asp Arg Arg Ser Thr Gly Lys Ser Trp Gly Lys Pro
 85 90 95
 Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Leu Gly Trp Ala Gly
 100 105 110
 Trp Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp
 115 120 125

0092220 64460550

Pro Arg His Arg Ser Arg Asn Val Gly Lys Val Ile Asp Thr Leu Thr
 130 135 140
 Cys Gly Phe Ala Asp Leu Met Gly Tyr Ile Phe Arg Val Gly Ala Phe
 145 150 155 160
 Leu Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu
 165 170 175

Asp

<210> 2
 <211> 160
 <212> PRT
 <213> Hepatitiv virus

<400> 2
 Met Gly Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn
 1 5 10 15
 Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly
 20 25 30
 Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
 35 40 45
 Thr Arg Lys Thr Ser Lys Arg Ser Gln Pro Arg Gly Gly Arg Arg Pro
 50 55 60
 Ile Pro Lys Asp Arg Arg Ser Thr Gly Lys Ser Trp Gly Lys Pro Gly
 65 70 75 80
 Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Leu Gly Trp Ala Gly Trp
 85 90 95
 Leu Leu Ser Pro Arg Gly Ser Arg Pro Ser Trp Gly Pro Thr Asp Pro
 100 105 110
 Arg His Arg Ser Arg Asn Val Gly Lys Val Ile Asp Thr Leu Thr Cys
 115 120 125
 Gly Phe Ala Asp Leu Met Gly Tyr Ile Phe Arg Val Gly Ala Phe Leu
 130 135 140
 Gly Gly Ala Ala Arg Ala Leu Ala His Gly Val Arg Val Leu Glu Asp
 145 150 155 160

<210> 3
 <211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223>

<400> 3

Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu

1 5 10 15

Leu Pro Arg Arg

20

<210> 4

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223>

<400> 4

Gly Pro Arg Leu Gly Val Arg Ala Thr Arg

1 5 10

<210> 5

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223>

<400> 5

Pro Arg Gly S A P Ser Thr Gl Pro Thr Asp Pro Arg His Arg

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$\langle 211 \rangle$ 20

<213> Artificial Sequence

<230>

1 5 / 10 15

20

<211> 24

<213> Artificial Sequence

<230> ~~Synthetic~~ DNA,

gaattcatgg gcacgaatgc taaa

$\langle 211 \rangle$ / 21

<213> Artificial Sequence

4/9

0082E0164760560

<230> Synthetic DNA

<400> 8

ttagtctctcc agaacccgga c

21

<210> 9

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<230>

<400> 9

Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile
1 5 10 15

<210> 10

<211> 1197

<212> DNA

<213> Artificial Sequence

<220>

<230> Nucleotide sequence coding for chimeric antigen

<400> 10

gaa ttc acc aaa gtg ccg gtt gct tat gcg gcc aaa ggt tat aag gtc 48
Glu Phe Thr Lys Val Pro Val Ala Tyr Ala Ala Lys Gly Tyr Lys Val
5 10 15
ctg gtt ctg gac ccg agc gtt gcc agc acc ctg ggt ttc ggc gcg tat 96
Leu Val Leu Asp Pro Ser Val Ala Ser Thr Leu Gly Phe Gly Ala Tyr
20 25 30
ctg agc aag gcc cat ggt gtg aac ccg aac atc cgc acg ggc atc cgt 144

Leu Ser Lys Ala His Gly Val Asn Pro Asn Ile Arg Thr Gly Ile Arg	
35 40 45	
acc gtt acc acc ggt gct ccg gtg acc tat tcc acc tac ggt aaa tac	192
Thr Val Thr Thr Gly Ala Pro Val Thr Tyr Ser Thr Tyr Gly Lys Tyr	
50 55 60	
ctg gcg gac ggc ggt tgc gcc ggc ggt gcg tac gat gtg atc gga tct	240
Leu Ala Asp Gly Gly Cys Ala Gly Gly Ala Tyr Asp Val Ile Gly Ser	
65 70 75 80	
gga gag gag gtg gcc ctg tct aac act gga gag gtc ccc ttc tat ggc	288
Gly Glu Glu Val Ala Leu Ser Asn Thr Gly Glu Val Pro Phe Tyr Gly	
85 90 95	
cgc gcg atc ccg atc gaa gcg atc aaa ggc ggt cgc cat ctg gtt ttc	336
Arg Ala Ile Pro Ile Glu Ala Ile Lys Gly Gly Arg His Leu Val Phe	
100 105 110	
tgc cat agc aag gag aaa tgc gat gaa ctg gcg agc gcg ctg tcc gga	384
Cys His Ser Lys Glu Lys Cys Asp Glu Leu Ala Ser Ala Leu Ser Gly	
115 120 125	
ttg ggt ctg aac gct gtg gca ttc tat cgc ggt ctg gac gtg agc att	432
Leu Gly Leu Asn Ala Val Ala Phe Tyr Arg Gly Leu Asp Val Ser Ile	
130 135 140	
atc ccg acc cag ggc gat gtg gtt atc gtt agc acc gat gcg ctg atg	480
Ile Pro Thr Gln Gly Asp Val Val Ile Val Ser Thr Asp Ala Leu Met	
145 150 155 160	
acc ggt ttt acc ggc gat ttt gac tca gtg gtc gac tgt aac aca tgc	528
Thr Gly Phe Thr Gly Asp Phe Asp Ser Val Val Asp Cys Asn Thr Cys	
165 170 175	
atc acc cag gga tct gga ctg gta agc ttc gcg agc cat gtg ccg tac	576
Ile Thr Gln Gly Ser Gly Leu Val Ser Phe Ala Ser His Val Pro Tyr	
180 185 190	
atc gag cag ggt atg caa ctg agc gaa caa ttt aag cag aag agc ctg	624
Ile Glu Gln Gly Met Gln Leu Ser Glu Gln Phe Lys Gln Lys Ser Leu	
195 200 205	
ggt ctg ctg cag acc gcg acc aaa cag gcg gag gcg gcc gcc ccg gtg	672
Gly Leu Leu Gln Thr Ala Thr Lys Gln Ala Glu Ala Ala Pro Val	
210 215 220	
gtt ggc acc ccg aaa agc cgc cgt ccg gaa ggt cgt gcc tgg gcg caa	720

<220>

<230> Amino acid sequence of chimeric antigen

<400> 11

Glu Phe Thr Lys Val Pro Val Ala Tyr Ala Ala Lys Gly Tyr Lys Val
5 10 15
Leu Val Leu Asp Pro Ser Val Ala Ser Thr Leu Gly Phe Gly Ala Tyr
20 25 30
Leu Ser Lys Ala His Gly Val Asn Pro Asn Ile Arg Thr Gly Ile Arg
35 40 45
Thr Val Thr Thr Gly Ala Pro Val Thr Tyr Ser Thr Tyr Gly Lys Tyr
50 55 60
Leu Ala Asp Gly Gly Cys Ala Gly Gly Ala Tyr Asp Val Ile Gly Ser
65 70 75 80
Gly Glu Glu Val Ala Leu Ser Asn Thr Gly Glu Val Pro Phe Tyr Gly
85 90 95
Arg Ala Ile Pro Ile Glu Ala Ile Lys Gly Gly Arg His Leu Val Phe
100 105 110
Cys His Ser Lys Glu Lys Cys Asp Glu Leu Ala Ser Ala Leu Ser Gly
115 120 125
Leu Gly Leu Asn Ala Val Ala Phe Tyr Arg Gly Leu Asp Val Ser Ile
130 135 140
Ile Pro Thr Gln Gly Asp Val Val Ile Val Ser Thr Asp Ala Leu Met
145 150 155 160
Thr Gly Phe Thr Gly Asp Phe Asp Ser Val Val Asp Cys Asn Thr Cys
165 170 175
Ile Thr Gln Gly Ser Gly Leu Val Ser Phe Ala Ser His Val Pro Tyr
180 185 190
Ile Glu Gln Gly Met Gln Leu Ser Glu Gln Phe Lys Gln Lys Ser Leu
195 200 205
Gly Leu Leu Gln Thr Ala Thr Lys Gln Ala Glu Ala Ala Ala Pro Val
210 215 220
Val Gly Thr Pro Lys Ser Arg Arg Pro Glu Gly Arg Ala Trp Ala Gln
225 230 235 240

